

# GOBLIN 380

## TIPS FOR PROPER ASSEMBLY



A20-Rev01

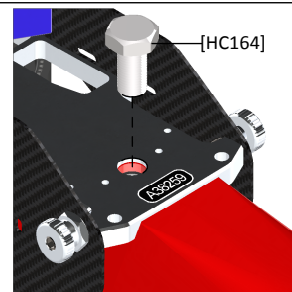
### SERIAL NUMBER

- Please take a moment to register your kit online via our web site at: <http://www.goblin-helicopter.com>  
It is extremely important that you take a moment to register your helicopter with us.  
This is the only way to ensure that you are properly informed about changes to your kit, such as upgrades, retrofits and other important developments.  
SAB Heli Division cannot be held responsible for issues arising with your model and will not provide support unless you register your serial number.



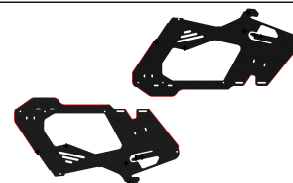
### TO ASSEMBLE THE TAIL BOOM PROPERLY YOU MUST

- Tighten the nylon bolt.  
The tool included in the kit ( Part #HA016) is designed to provide the proper amount of torque with your bare hands. Please tighten the bolts firmly with this tool!



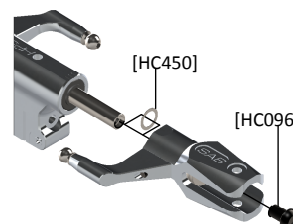
### CARBON FIBER PARTS

- The edges of the carbon frames are very sharp.  
Use sandpaper to soften the edges, specially in areas where wires are routed as well as in areas where the battery Velcro straps come in contact with the carbon.



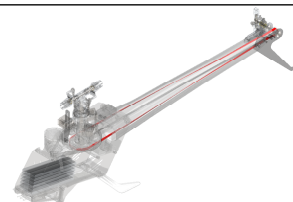
### BLADE GRIP AXIAL PRELOAD

- We recommend assembling without shims for sport flying. However, for 3D flight or high RPM, the best setup is assembling with at least one shim between the damper and bearing.  
After approximately 20/30 flights, please manually check the head dampening, you can add one 0.1mm shim (HC450) if the dampening feels loose.



### TAIL BELT TENSION

- The belt must be very tight!  
If the model is making strange noises, this can be usually attributed to incorrect belt tensions.  
Check the belts again and tighten if necessary.



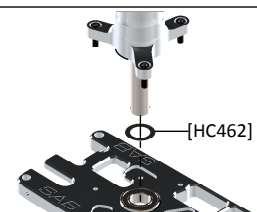
### CANOPY RELEASE

- The grommet hole on the canopy is about 5mm.  
The canopy grommet works best with a 10mm hole.  
You can enlarge the hole slightly to optimize the vertical position of the canopy itself.  
You can check page 25 of the manual for more information.



### MAIN SHAFT PLAY

- Very carefully check to make sure you can turn the main shaft freely. If you feel too much friction, you have used too many shims, you can remove a shim until the shaft turns freely.



### PROPER LUBRICANTION IS REQUIRED

- Use synthetic grease in the damper area, Orings, Spindle. ( Such as Microlube GL261 ).  
Apply a little bit of grease to the one way bearing inside the main pulley.  
It is always recommended to regularly use a lubricant spray, such as WD40 to prevent corrosion of steel parts, such as main and tail shaft, etc.



The items outlined in this document should be checked regularly and particularly after a crash

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